TPC156-W2

The whole machine adopts ultra-thin frame which is more suitable for embedded installation, aluminum alloy structure, fanless fully closed design, front panel pure flat wire drawing process, up to IP65 dustproof and waterproof, and is widely used in industrial control, military, communication, power, network, intelligent self-service terminal equipment and other automation applications.

Features

- 3mm Super Thin Front Bezel, Best for Embedded Cabinet.
- Pure flat panel IP65 dust-proof and waterproof.
- Self-developed X86 architecture industrial motherboard
- Intel Celeron J4125 quad-core 2.0GHz processor
- Comply with EMC anti-electromagnetic interference standard
- Compatible with 99% of industry software, With strong expansibility

intel					
Intel J4125	Fanless cooling	DC 12-36V	IP65	Expand interface	7*24H operation

ISO FC CE CCC RoHS

Product Model

Product Size	15.6"
Non-touch	TPC156-W200
Capacitive touch	TPC156-W210
Resistive touch	TPC156-W220

Product Interface

| GND | WIFI | Power Key | DC 12-36V | USB | USB | LAN | HD/SIM | VGA | Audio Out | COM |

Product Specifications

Screen Parameters

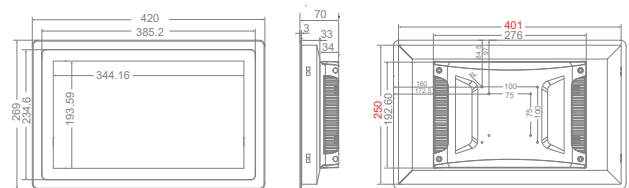| LCD size	15.6" TFT LCD
Resolution	1920*1080 (Aspect Ratio 16:9)
Viewing angle	85/85/85/85 (L/R/U/D)
Colour	16.7M
Brightness	300 cd/m²
Contrast ratio	800:1

Touch Parameters

Touch type	10-point touch projection Capacitive touch screen	Single-point Resistance touch screen	Non-touch
Transmittance	≥88%	≥78%	≥92%
Input mode	Handwriting or Capacitance pen	Fingertip or stylus	/
Controller communication	USB	USB	/

Hardware Configuration

CPU	Intel Celeron J4125 quad-core 2GHz (Maximum RF: 2.7GHz)
Memory	4G DDR4 2400MHz (Optional 8G)
Storage	64G SSD (Optional：128/256/512G)
Integrated graphics	Intel UHD Graphics 600
Operating system	Win10/11/Ubuntu/Centos/Linux

Product Size

Physical Characteristics

Overall dimensions	W420X H269X D70MM
Size of opening	W403 X H252MM

Interface Parameters

Power key	1*POWER
Power interface	1*DC2.5, Supporting wide voltage 12V-36V power supply
USB	2*USB 2.0, 2*USB 3.0
Network interface	2*LAN, 1*Realtek PCI-E NIC RTL8111H (Applicable to 1000Mbps) 1*Realtek PCI-E NIC RT8152B (Applicable to 1000Mbps)
HDMI	1*HDMI, Supporting HDMI data output, Up to 4K
SIM	1*SIM, Supporting various formats (Depending on 3G/4G module)
VGA	1*VGA
Audio interface	1*Audio Out, Support audio input and output
COM	2*RS232
WiFi antenna	2*WiFi antenna
Grounding column	Support (1*GND)

Product Reliability Parameters

Working temperature	-10°C~60°C
Storage temperature	-20°C~70°C
Relative humidity	Humidity: 95% Non-Condensing
Vibration protection	IEC 60068-2-64, Random, 5 ~ 500 Hz, 1 hr/axis
Impact protection	IEC 60068-2-27, Half sine wave, Lasting for 11ms
Product certification	CCC/CE/FCC/EMC/CB/ROHS
Waterproof grade	The front panel reaches IP65 protection level

Power Parameters

Power input	DC 12V~36V
Static power	18W
Broad pressure	With wide voltage (12V~36V)
WiFi	2.4GHz/5GHz, Dual frequencyWiFi
Bluetooth	BT4.0（Optional）
Other support	RTC real-time clock and timing switch